Electronic Version
Stylesheet Version v1.1.1

Claims

[c1] 1. An optical scanning module suitable for scanning a document, comprising:
an outer cover, having an opening;
a plurality of fixing elements, disposed on an inner wall of the outer cover;
a plurality of reflecting mirrors, disposed within the outer cover by using the fixing elements;
a plurality of buffer pads, disposed in between the fixing elements and the reflecting mirrors;
a lens, disposed within the outer cover;
an image capturing device, disposed within the outer cover; and
a light source, disposed on the outer cover, wherein a light emitted by the light source is reflected by the document, and the reflected light is sequentially transmitted to the reflecting mirrors, the lens, and the image capturing device.

[c2] 2. The optical scanning module of claim 1, wherein each of the fixing elements comprises:
a reflecting mirror supporting holder; and
a clip for clipping the reflecting mirrors and the buffer

pads on the reflecting mirror supporting holder.

[c3] 3. The optical scanning module of claim 2, wherein the clip has a crooked portion for fastening the buffer pads.

[c4] 4. The optical scanning module of claim 2, wherein the reflecting mirror supporting holder is manufactured as an integrative unit on the inner wall of the outer cover.

[c5] 5. The optical scanning module of claim 1, wherein each of the fixing elements comprises:
a reflecting mirror supporting holder; and
a clip disposed on the reflecting mirror supporting holder for clipping the reflecting mirrors and the buffer pads together with the reflecting mirror supporting holder.

[c6] 6. The optical scanning module of claim 5, wherein the clip has a crooked portion for fastening the buffer pads.

[c7] 7. The optical scanning module of claim 5, wherein the reflecting mirror supporting holder and the clip are manufactured as an integrative unit on the inner wall of the outer cover.

[c8] 8. The optical scanning module of claim 1, wherein the buffer pads are made of a material comprising either a silicone or a sponge.

[c9] 9. The optical scanning module of claim 1, wherein the image capturing device comprises a charge couple device (CCD).

[c10] 10. The optical scanning module of claim 1, wherein the light source comprises a cold cathode florescent lamp (CCFL) and a light emitting diode array.